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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Rec'd

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TRANSMITTAL FORM

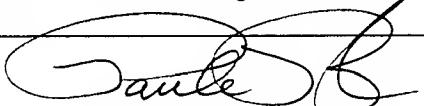
(to be used for all correspondence after initial filing)

		Application Number	09/593,828
		Filing Date	June 13, 2000
		First Named Inventor	ROSEN, STEVEN D.
		Group Art Unit	1652
		Examiner Name	MONSHIPOURI, MARYAM
Total Number of Pages in This Submission	26	Attorney Docket Number	UCAL-138

ENCLOSURES (check all that apply)

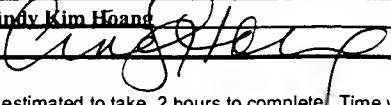
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1) Request to Correct Filing Receipt (2 pgs.) 2) Marked-Up Copy of Filing Receipt (1 pg.) 3) Copy of Declaration as filed (3 pgs.) 4) Copy of Utility Transmittal as filed (1 pg.) 5) Return Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	PAULA A. BORDEN, Reg. No. 42,344
Signature	
Date	June 27, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: June 27, 2002.

Typed or printed name	Cindy Kim Hoang	Date	June 27, 2002
Signature			

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	(\$ 726.00)
--------------------------------	--------------------

Complete if Known	
Application Number	09/593,828
Filing Date	June 13, 2000
First Named Inventor	ROSEN, STEVEN D.
Examiner Name	MONSHIPOURI, MARYAM
Group Art Unit	1652
Attorney Docket No.	UCAL-138

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METHOD OF PAYMENT

- The Commissioner is hereby authorized to charge indicated fees and credit overpayments to:
Deposit Account Number 50-0815
Deposit Account Name Bozicevic, Field & Francis LLP
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant Claims small entity status. See 37 CFR 1.27

Payment Enclosed:

Check Credit Card Money Order Other

FEE CALCULATION

2. BASIC FILING FEE

Large Entity Fee Code (\$)	Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)		0.00			

1. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
Total Claims 60-29** = 31	x 18 = 558.00	
Indep. Claims 5-3** = 2	x 84 = 168.00	
Multiple Dependent	=	

Large Entity Fee Code (\$)	Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) \$ 726.00				

**or number previously paid, if greater; For Reissues, see above.

3. ADDITIONAL FEES

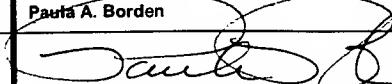
Large Entity Fee Code (\$)	Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examination action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Paula A. Borden	Registration No. (Attorney/Agent)	42,344	Telephone	(850) 327-3400
Signature		Date	08/27/2002		

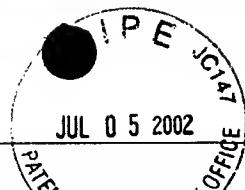
WARNING: information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Atty Dkt. No. UCAL-138
USSN: 09/593,828

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07/25/02

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Office of Initial Patent Examination, Commissioner for Patents, Washington, D.C. 20231.

Typed or Printed Name Cindy Kim Hoang

Signature

Date June 27, 2002

REQUEST FOR CORRECTED FILING RECEIPT Address to: Office of Initial Patent Examination Commissioner for Patents Washington, D.C. 20231	Attorney Docket	UCAL-138
	Applicant	ROSEN, STEVEN D.
	Serial Number	09/593,828
	Filing Date	June 13, 2000
	Group Art Unit	1652
	Examiner Name	MONSHIPOURI, MARYAM
Title: "NOVEL GLYCOSYL SULFOTRANSFERASES GST-4 ALPHA, GST-4BETA & GST-6"		

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Sir:

A filing receipt for the above-identified patent application has been issued by the U.S. Patent and Trademark Office (copy attached) and has been found to contain the following error(s):

- (1) Please correct the Continuing Data as Claimed by Applicant to read
--This application claims benefit from 60/144,694 filed July 20, 1999 -- as indicated on the Declaration filed on November 3, 2000.
- (2) Please correct the title to read --Novel Glycosyl Sulfotransferases GST-4alpha, GST-4beta, & GST-6 --

The Declaration and the application transmittal sheet indicates that the, title is Glycosyl Sulfotransferases GST-4 α , GST- β , & GST-6. Copies of all of the above documents are attached.

Atty Dkt. No. UCAL-138
USSN: 09/593,828

If for any reason a fee is found to be necessary, the Commissioner is authorized to charge such fee to
Deposit Account No. 50-0815.

Respectfully submitted,
BOZICEVIC, FIELD & FRANCIS LLP

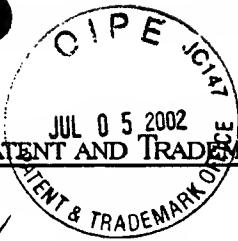
Date: June 27, 2002

By: 
Paula A. Borden
Registration No. 42,344

BOZICEVIC, FIELD & FRANCIS LLP
200 Middlefield Road, Suite 200
Menlo Park, CA 94025
Telephone: (650) 327-3400
Facsimile: (650) 327-3231



UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/593,828	06/13/2000	1651	982	6510-138US1	9	29	1

Bret E Field
Bozicevic Field & Francis LLP
200 Middlefield Road
Suite 200
Menlo Park, CA 94025

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FILING RECEIPT



OC000000005593770

Date Mailed: 12/04/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

- Steven Rosen, San Francisco, CA ;
- Jin Kyu Lee, Alameda, CA ;
- Stefan Hemmerich, Berkeley, CA ;

RL 12/12
DOCKETED

Continuing Data as Claimed by Applicant

This application Claims benefit from 60/144,694 filed July 20, 1999

Foreign Applications

If Required, Foreign Filing License Granted 08/14/2000

Title

Novel glycosyl sulfotransferases GST-4A, GST-4B, & GST-6
 ↗ GST-4 beta
 ↗ GST-4 alpha

Preliminary Class

424

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DEC 11 2000

Bozicevic, Field & Francis



JUL 05 2000

EXPRESS MAIL CERTIFICATE

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Typed or Printed Name	Dave Glisson	Express Mail No.	EL 563 649 405 US
Signature	<i>Dave Glisson</i>	Date	June 13, 2000

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Atty Docket No.	6510-138US1	COPY OF PAPERS ORIGINALLY FILED
First Named Inventor	Rosen, et al.	
Title	Novel Glycosyl Sulfotransferases GST-4a, GST-4β, & GST-6	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

Address to:
Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

1. Specification (includes cover page) Total Pages 52
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix

 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 USC 113) Total Sheets 09
4. Oath or Declaration Total Sheets 03
- a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63(d))
 (for continuation/divisional with Box 16 completed)
 i. **DELETION OF INVENTOR(S)**
 Signed statement attached deleting
 inventor(s) named in the prior application,
 see 37 CFR 1.63(d)(2) and 1.33(b)

 c. Unsigned

5. Microfiche Computer Program (*Appendix*)
 6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 a. Computer Readable Copy
 b. Paper Copy (identical to computer copy)
 c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. Assignment Papers (cover sheet & document(s))
 8. 37 CFR 3.73(b) Statement Power of
(when there is an assignee) Attorney
 9. English Translation Document (*if applicable*)
 10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS
 Citations
 11. Preliminary Amendment
 12. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
 13. Small Entity Statement filed in prior application
 Statement(s) Status still proper and desired
 14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
 15. Other: Fee Transmittal Sheet

16a. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:
 Continuation Divisional Continuation-in-part (CIP) of prior application No. 1/

16b. If a CONVERSION from a PROVISIONAL APPLICATION, supply the requisite information:
 Conversion of prior provisional application No. 60/144,694, filed July 20, 1999.

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